

WEST

Generate Collection

Print

L7: Entry 21 of 144

File: JPAB

Jul 11, 1995

PUB-NO: JP407173283A

DOCUMENT-IDENTIFIER: JP 07173283 A

TITLE: PRODUCTION OF MODIFIED POLYAMIDE-POLYAMINE

PUBN-DATE: July 11, 1995

INVENTOR-INFORMATION:

NAME

COUNTRY

KIMURA, KAZUMASA

KAI, TAKASHI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

NIPPON SHOKUBAI CO LTD

APPL-NO: JP05317979

APPL-DATE: December 17, 1993

INT-CL (IPC): C08 G 73/02; C08 G 69/48; C07 D 331/02

ABSTRACT:

PURPOSE: To obtain a modified polyamide-polyamine having highly reactive amino and mercapto groups in the molecule and used as a curing agent for epoxy resin by reacting a polyamide-polyamine with a specified thiirane compound.

CONSTITUTION: A polyamide-polyamine compound is reacted with a thiirane compound of the formula (wherein R1, R2, R3 and R3 may be the same or different and are each H, alkyl or an aromatic group). Examples of the thiirane compound include ethylene sulfide, propylene sulfide, butylene sulfide and styrene sulfide. The polyamide-polyamine compound is obtained by the condensation of a polycarboxylic acid compound and a polyamine compound, an example thereof being a product of condensation of a polymeric fatty acid, such as a dimer or trimer acid, obtained by polymerizing a fatty acid having unsaturated bonds in the molecule with a polyamine compound, especially an aliphatic polyamine.

COPYRIGHT: (C)1995,JPO

WEST



Generate Collection

Print

L7: Entry 75 of 144

File: DWPI

Jul 11, 1995

DERWENT-ACC-NO: 1995-272961

DERWENT-WEEK: 199536

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Mfr. of modified polyamide-poly:amine(s) with excellent curative properties - comprises reacting thiirane cpd. and polyamide-poly:amine without formation of by=product sulphur cpds.

PATENT-ASSIGNEE:

ASSIGNEE

NIPPON SHOKUBAI CO LTD

CODE

JAPC

PRIORITY-DATA: 1993JP-0317979 (December 17, 1993)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 07173283 A

July 11, 1995

004

C08G073/02

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 07173283A

December 17, 1993

1993JP-0317979

INT-CL (IPC): C07 D 331/02; C08 G 69/48; C08 G 73/02

ABSTRACTED-PUB-NO: JP 07173283A

BASIC-ABSTRACT:

The mfr. of a modified polyamide-polyamine comprises reacting a thiirane cpd. of formula (I) and a polyamide-polyamine cpd. R1-4=H, alkyl or aromatic gp..

USE - Used as epoxy resin curatives, crosslinkers, vulcanisers, polymerisation regulators, antioxidants, metal-chelating agents and additives for lubricating oils.

ADVANTAGE - By-product S cpds. with offensive odour are not produced in mfr.. The modified polyamide-polyamines have highly reactive amino and mercapto gps. and excellent rapid and low temp. epoxy resin curative properties. Cured epoxy resins have improved corrosion resistance and excellent chemical, water and alkali resistance.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: MANUFACTURE MODIFIED POLYAMIDE POLY AMINE CURE PROPERTIES COMPRISE REACT THIIRANE COMPOUND POLYAMIDE POLY AMINE FORMATION BY=PRODUCT SULPHUR COMPOUND

DERWENT-CLASS: A21 A23 A97 H07

CPI-CODES: A02-B; A05-A01B1; A05-F04; A08-A06; A08-A07; A08-C08; A08-D03; A08-D04; A10-E01; A12-W02A; H07-G;